

# SEQUENCE LISTING

<110> CHUNG, Kwang-Hoe  
 KIM, Doo-Sik  
 KOH, You-Seok  
 SOHN, Young-Dong  
 YOU, Weon-Kyoo  
 JANG, Yang-Soo  
 HUH, Chin-Kyu

<120> NOVEL PROTEIN DERIVED FROM AGKISTRODON SAXATILIS EMELIANOV AND PROCESS FOR PREPARING THE SAME

<130> 0136/0K432US0

<140> US 10/089,473

<141> 2002-03-26

<160> 10

<170> PatentIn version 3.1

<210> 1

<211> 73

<212> PRT

<213> Agkistrodon saxatilis emelianov

<400> 1

Glu Ala Gly Glu Glu Cys Asp Cys Gly Ala Pro Ala Asn Pro Cys Cys  
 1 5 10 15

Asp Ala Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Glu Gly  
 20 25 30

Leu Cys Cys Asp Gln Cys Arg Phe Met Lys Glu Gly Thr Ile Cys Arg  
 35 40 45

Met Ala Arg Gly Asp Asp Met Asp Asp Tyr Cys Asn Gly Ile Ser Ala  
 50 55 60

Gly Cys Pro Arg Asn Pro Phe His Ala  
 65 70

<210> 2

<211> 213

<212> DNA

<213> Agkistrodon saxatilis emelianov

<400> 2

ggagaagaat gtgactgtgg cgctcctgca aatccgtgct gcgatgctgc aacctgtaaa 60

ctgagaccag gggcgagctg tgcagaagga ctgtgtgtg accagtgcag atttatgaaa 120  
gaaggaacaa tatgccggat ggcaaggggt gatgacatgg atgattactg caatggcata 180  
tctgctggct gtcccagaaa tcccttccat gcc 213

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer

<220>  
<221> misc\_feature  
<222> (1)..(20)  
<223> where n may be a or g or c or t/u, other, or unknown

<400> 3  
ggngargart gygaytgygg 20

<210> 4  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer

<400> 4  
ggcatggaag ggatttctgg 20

<210> 5  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer

<400> 5  
ccgctcgaga aaagagaggc cggagaagaa tgt 33

<210> 6  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer

<400> 6  
cggaattctc attagcatg gaaggga

27

<210> 7  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> oligopeptide

<400> 7

Gly Arg Gly Asp Ser Pro  
1 5

<210> 8  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> oligopeptide

<400> 8

Gly Arg Gly Glu Thr Pro  
1 5

<210> 9  
<211> 12  
<212> PRT  
<213> Agkistrodon saxatilis emelianov

<400> 9

Gly Glu Glu Cys Asp Cys Gly Ala Pro Ala Asn Pro  
1 5 10

<210> 10  
<211> 73  
<212> PRT  
<213> Agkistrodon halys brevicaudus

<400> 10

Glu Ala Gly Glu Glu Cys Asp Cys Gly Ser Pro Gly Asn Pro Cys Cys  
1 5 10 15

Asp Ala Ala Thr Cys Lys Leu Arg Gln Gly Ala Gln Cys Ala Glu Gly  
20 25 30

Leu Cys Cys Asp Gln Cys Arg Phe Met Lys Glu Gly Thr Ile Cys Arg  
35 40 45

Arg Ala Arg Gly Asp Asp Leu Asp Asp Tyr Cys Asn Gly Ile Ser Ala  
50 55 60

Gly Cys Pro Arg Asn Pro Phe His Ala  
65 70